

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/007236

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B41F35/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B41F B41L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 40 27 505 A (MURAKAMI, YOSHICHIKA, KAWASAKI) 7 March 1991 (1991-03-07) see abstract column 2, line 7 - column 11, line 28; figures 4-15	1-23
Y	EP 0 860 278 A (BALDWIN-JAPAN LTD.) 26 August 1998 (1998-08-26) see abstract column 1, line 3 - column 7, line 6; figures 1-20	1-23
Y	EP 0 636 476 A (ELETTRA S.R.L.) 1 February 1995 (1995-02-01) the whole document	2,13
	----- -/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *8* document member of the same patent family

Date of the actual completion of the international search

24 February 2005

Date of mailing of the international search report

05/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Greiner, E

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/007236

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 765 242 A (MOTOMICHI OYA ET AL.) 23 August 1988 (1988-08-23) the whole document -----	1-23
A	US 794 487 A (L. A. BROD) 11 July 1905 (1905-07-11) the whole document -----	1-23
A	EP 0 388 757 A (ELETTRA S.R.L.) 26 September 1990 (1990-09-26) the whole document -----	1-23
A	EP 0 299 193 A (BALDWIN-JAPAN LTD.) 18 January 1989 (1989-01-18) the whole document -----	1-23
A	DE 88 16 264 U1 (MAN ROLAND DRUCKMASCHINEN AG) 30 March 1989 (1989-03-30) the whole document -----	1-23
A	EP 0 600 361 A (KOMORI CORPORATION) 8 June 1994 (1994-06-08) the whole document -----	1-23

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/007236

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 4027505	A	07-03-1991	JP 3290247 A JP 7073912 B JP 3090360 A CA 2024054 A1 DE 4027505 A1 FR 2652304 A1 GB 2236075 A IT 1246190 B US 5150650 A	19-12-1991 09-08-1995 16-04-1991 02-03-1991 07-03-1991 29-03-1991 27-03-1991 16-11-1994 29-09-1992
EP 0860278	A	26-08-1998	JP 3023421 B2 JP 10230587 A CN 1200985 A DE 69806655 D1 DE 69806655 T2 EP 0860278 A2 US 6101943 A	21-03-2000 02-09-1998 09-12-1998 29-08-2002 13-03-2003 26-08-1998 15-08-2000
EP 0636476	A	01-02-1995	IT 1264177 B1 AT 150377 T DE 69402129 D1 DE 69402129 T2 DK 636476 T3 EP 0636476 A1 ES 2098831 T3	23-09-1996 15-04-1997 24-04-1997 14-08-1997 04-08-1997 01-02-1995 01-05-1997
US 4765242	A	23-08-1988	NONE	
US 794487	A		NONE	
EP 0388757	A	26-09-1990	EP 0388757 A1	26-09-1990
EP 0299193	A	18-01-1989	JP 1016657 A JP 1766591 C JP 4058793 B DE 3868734 D1 EP 0299193 A2 US 4920880 A	20-01-1989 11-06-1993 18-09-1992 09-04-1992 18-01-1989 01-05-1990
DE 8816264	U1	30-03-1989	AT 84257 T DE 58903195 D1 EP 0334173 A1 ES 2037896 T3 JP 1278351 A JP 2111586 C JP 8005182 B US 4981078 A	15-01-1993 18-02-1993 27-09-1989 01-07-1993 08-11-1989 21-11-1996 24-01-1996 01-01-1991
EP 0600361	A	08-06-1994	JP 2604502 Y2 JP 6055743 U AT 149019 T DE 69308192 D1 DE 69308192 T2 EP 0600361 A1 US 5515782 A US 5636570 A	22-05-2000 02-08-1994 15-03-1997 27-03-1997 28-08-1997 08-06-1994 14-05-1996 10-06-1997